Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **690** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M.G. Cannon
Date Desc.: 30/07/91
Map Ref.: Sheet No. : 8158 GPS
Northing/Long.: 7817998 AMG zone: 55
Easting/Lat.: 446498 Datum: AGD66
Locality:
Elevation: 340 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Undisturbed soil core, Granite

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 1 %
Pattern Type: Rises
Relief: No Data
Slope Category: Level
Aspect: 180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Eutrophic Brown Chromosol Medium Non-gravelly Sandy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dy3.22

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: No suitable

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa ewartiana, Eragrostis species

Mid Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Very dark brown (10YR2/2-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Clear change to -
A12	0.05 - 0.1 m	Dark brown (10YR3/3-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Few, very fine (0-1mm) roots; Gradual change to -
A2	0.1 - 0.2 m	Dark yellowish brown (10YR3/4-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Few, very fine (0-1mm) roots; Abrupt change to -
B21	0.2 - 0.7 m	Yellowish brown (10YR5/6-Moist); Substrate influence, 10YR58, 10-20% , 0-5mm, Distinct; Substrate influence, 10-20% ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6);
C	0.7 - 1.1 m	; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 1.1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.05	7.3A									
0.2 - 0.7	7.1A									
0.7 - 1.1	7.5A									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.05												
0.2 - 0.7												
0.7 - 1.1												

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0 - 0.05										
0.2 - 0.7										
0.7 - 1.1										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension